

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

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1. (Currently Amended) A method in a computer system for customized design and manufacture of an anatomically correct implant customized for a patient, comprising:
producing a patient specific radiological image of an anatomical body part ~~or bone~~ that is to be replaced, repaired or augmented;
converting the patient specific radiological image into a format transmittable over a computer network system;
creating a computer based multi-dimensional model based on the converted patient specific radiological image;
modifying the multi-dimensional model using ~~the a computing computer system~~ communicatively coupled to the computer network to at least one of add a structure to the multi-dimensional model and remove a structure from the multi-dimensional model;
producing a set of three-dimensional printer driving instructions from the multi-dimensional model; and
manufacturing ~~an a~~ a biomedical implant according to the modified multi-dimensional model using the three-dimensional printer driving instructions ~~printing techniques~~.
 2. (Currently Amended) The method of claim 1 wherein modifying the multi-dimensional model comprises ~~; further comprising compositional design forming an internal architecture~~ within the multi-dimensional model that is ~~are~~ translated into the manufactured implant.
 3. (Original) The method of claim 1, further comprising transmitting the multi-dimensional model to a client for approval prior to manufacturing the biomedical implant.

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4. (Currently Amended) The method of claim 1 wherein modifying the multi-dimensional model comprises adding at least one of a, ~~further comprising~~ growth factors, comb polymers, or other substances having biological activity to the multi-dimensional model.

5. (Currently Amended) The method of claim 1 wherein modifying the multi-dimensional model comprises adding a number of, ~~further comprising~~ markers to the multi-dimensional model for future radiological ~~imaging~~ viewing.

6. (Original) A method for manufacturing and selling individually fitted customized biomedical devices for a given recipient via a computer network, comprising:
capturing data in a computerized form;
converting the data to a multi-dimensional model;
modifying the multi-dimensional model to include an internal architecture,
converting the modified multi-dimensional model into machine instructions;
manufacturing a customized biomedical device from the machine instructions
wherein the biomedical device is anatomically correct to the individual patient; and
shipping the biomedical device to the recipient for implantation.

7. (Original) The method of claim 6, further comprising transmitting the modified multi-dimensional model to the recipient for further modification prior to converting the model into machine instructions.

8. (Currently Amended) A method for manufacturing and selling customized medical devices via a computer network, comprising:

transmitting patient-specific data from a patient location to a secure web site via a computer network;

manufacturing the medical device based on the transmitted data;

delivering ~~delivery of~~ the medical device; and

maintaining records of the patient-specific data; and

generating follow-up notices based on the maintained records.

9. (Cancelled)

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10. (Currently Amended) The method of claim 8 wherein manufacturing the medical device comprises manufacturing ~~is~~ an oral dosage form containing one or more active pharmaceutical ingredients.

11. (Currently Amended) The method of claim 8 wherein manufacturing the medical device comprises manufacturing ~~is~~ an implantable drug delivery device containing one or more active pharmaceutical ingredients.

12. (Currently Amended) The method of claim 8 wherein manufacturing the medical device comprises providing machine instructions to a ~~is manufactured by three~~ dimensional printer ~~printing~~.

13. (Currently Amended) The method of claim 8 wherein manufacturing the medical device further comprises ~~includes~~ selecting a ~~the~~ best fit implant from a group of already-manufactured implants.

14. (Currently Amended) An Internet-enabled method for designing and manufacturing biomedical devices comprising: using an Internet-enabled system to transmit radiological images to a central server;

converting the radiological images into a digital format;

transmitting the digital format of the radiological images to the ~~central~~ server operably coupled ~~connected~~ to a manufacturing station; and

manufacturing the biomedical device in accordance with the radiological image.

15. (Currently Amended) The method of claim 14, further comprising creating a multidimensional model from the digital format of the radiological images and transmitting the multidimensional model to a client for modification.

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16. (Previously Presented) The method of claim 14 wherein manufacturing the biomedical device in accordance with the radiological image includes selecting a best fit from a plurality of already manufactured medical devices.